

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Spring 2018 Levee Inspection Results

Reclamation District No. 2063 Crows Landing

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
† Overall LMA Rating (Fall Only)				

** Non-receipt of Summer or Winter Inspection
Reports may effect overall annual rating.

† SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2018 Levee Inspection Results

Reclamation District No. 2063 Crows Landing

Waterway			Bank	Unit Miles
Unit No. 01 San Joaquin River			Right	10.44
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	3/27/2018 - 3/27/2018			
DWR Inspector	Richard Willoughby			
Accompanied By	Joe Sallaberry RD2063			

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	03/27/2018 03/27/2018	Richard Willoughby

LM Start	0.00	Rating **	A	Issue No.	12
LM End	0.00	Issue Type +	Ma	Location *	
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Operations & Maintenance Manuals				
DWR ID	DWR_RD2063_01_s_2013_12				
Comment Code					
Inspector Comment					
The LMA maintains a copy of the O&M manual on file at district office.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	15
LM End	0.00	Issue Type +	Ma	Location *	
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Emergency Supplies & Equipment				
DWR ID	DWR_RD2063_01_f_2014_15				
Comment Code					
Inspector Comment					
The LMA maintains adequate flood fight supplies and equipment.					

No Photos

LM Start	0.00	Rating **	M	Issue No.	21
LM End	0.00	Issue Type +	Ma	Location *	
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Flood Preparedness & Training				
DWR ID	DWR_RD2063_01_s_2013_21				
Comment Code					
Inspector Comment					
The LMA is prepared for flood response, but has not been involved in flood fight training for several years.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	03/27/2018 03/27/2018	Richard Willoughby

LM Start	0.00	Rating **	U	Issue No.	18
LM End	1.30	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.478705 °	37.464660 °
				-121.044651 °	-121.032946 °
DWR ID	DWR_RD2063_01_s_2012_18				
Comment Code					
DT : Ditch					
Inspector Comment					
Ditch on landside has encroached into the berm and toe of the levee.					

LM Start	0.00	Rating **	U	Issue No.	18 (cont)
LM End	1.30	Issue Type +	En	Location *	LS

Photo 1 of 3 : SP_2018_RD2063_112_18_20180307_00001.jpg



Looking north at ditch on landside berm and toe.

Photo 2 of 3 : SP_2018_RD2063_112_18_20180307_00002.jpg



Looking northeast at canal-ditch on landside berm.

LM Start	0.00	Rating **	U	Issue No.	18 (cont)
LM End	1.30	Issue Type +	En	Location *	LS

Photo 3 of 3 : SP_2018_RD2063_112_18_20180307_00003.jpg



Looking south at canal-ditch at landside berm and toe.

*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	03/27/2018 03/27/2018	Richard Willoughby

LM Start	0.00	Rating **	M	Issue No.	41
LM End	10.44	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.478687 °	37.390466 °	
			-121.044645 °	-121.941191 °	
DWR ID	DWR_RD2063_01_s_2018_41				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	0.00	Rating **	M	Issue No.	42
LM End	10.44	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.478687 °	37.390466 °	
			-121.044645 °	-121.941191 °	
DWR ID	DWR_RD2063_01_s_2018_42				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	03/27/2018 03/27/2018	Richard Willoughby

LM Start	1.28	Rating **	M	Issue No.	60
LM End	1.28	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.464839 °	37.464839 °
				-121.033270 °	-121.033270 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:50216
DS_ID:22075
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Indicator Found
UCIP Comments: 08/23/2016: Could not locate pipe during inspection, though it was very prominently visible on the WS bank and LS ditch as per 2013 photos. I confirmed with RD2063 president Joe Sallaberry that the pipe was filled with concrete through the levee but removed at the LS ditch. Could not locate pipe's ends during inspection. No permit exists for this work. Crossing has been downgraded from Urgent to Non-Urgent since we lack documentation verifying proper abandonment.

11/05/2013:- Pipe has visible holes throughout both LS and WS along with pipe deformation. - looks abandoned. Needs proper abandonment.- alfalfa valve on concrete pipe riser on waterside toe.- no slide gate found on waterside. No pump and pile structure found in river.

FIELD_STRUCT_DESC: *ABANDONED* 24-inch corrugated metal irrigation discharge pipe through the levee, 10 feet below the crown, not found during 2016 inspection. Slide gate in a corrugated metal pipe (CMP) riser on the waterside (WS) slope, not found during 2016 inspection. Pipe supported on two timber pile bents across a drainage ditch on the landside (LS), only pile remnants found during 2016 inspection. Pump on a pile structure in the river, not found during 2016 inspection. Two concrete standpipes on the WS berm, one of which was found during the 2016 inspection. Installed by USACE in 1961.

[Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 1.29)].

FS Date: 8/23/2016

Photo 1 of 3 : UCIP_SP_2018_50216_43166.jpg



WS view: abandoned concrete standpipe and abandoned power pole.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	03/27/2018 03/27/2018	Richard Willoughby

LM Start	1.28	Rating **	M	Issue No.	60 (cont)	
LM End	1.28	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.464839 °	37.464839 °	
				-121.033270 °	-121.033270 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:50216 DS_ID:22075 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 08/23/2016: Could not locate pipe during inspection, though it was very prominently visible on the WS bank and LS ditch as per 2013 photos. I confirmed with RD2063 president Joe Sallaberry that the pipe was filled with concrete through the levee but removed at the LS ditch. Could not locate pipe's ends during inspection. No permit exists for this work. Crossing has been downgraded from Urgent to Non-Urgent since we lack documentation verifying proper abandonment. 11/05/2013:- Pipe has visible holes throughout both LS and WS along with pipe deformation. - looks abandoned. Needs proper abandonment.- alfalfa valve on concrete pipe riser on waterside toe.- no slide gate found on waterside. No pump and pile structure found in river. FIELD_STRUCT_DESC: *ABANDONED* 24-inch corrugated metal irrigation discharge pipe through the levee, 10 feet below the crown, not found during 2016 inspection. Slide gate in a corrugated metal pipe (CMP) riser on the waterside (WS) slope, not found during 2016 inspection. Pipe supported on two timber pile bents across a drainage ditch on the landside (LS), only pile remnants found during 2016 inspection. Pump on a pile structure in the river, not found during 2016 inspection. Two concrete standpipes on the WS berm, one of which was found during the 2016 inspection. Installed by USACE in 1961. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 1.29)]. FS Date: 8/23/2016						

Photo 2 of 3 : UCIP_SP_2018_50216_43161.jpg



WS view: steel pipe immersed into the river. No pump found.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	03/27/2018 03/27/2018	Richard Willoughby

LM Start	1.28	Rating **	M	Issue No.	60 (cont)	
LM End	1.28	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.464839 °	37.464839 °	
				-121.033270 °	-121.033270 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:50216 DS_ID:22075 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 08/23/2016: Could not locate pipe during inspection, though it was very prominently visible on the WS bank and LS ditch as per 2013 photos. I confirmed with RD2063 president Joe Sallaberry that the pipe was filled with concrete through the levee but removed at the LS ditch. Could not locate pipe's ends during inspection. No permit exists for this work. Crossing has been downgraded from Urgent to Non-Urgent since we lack documentation verifying proper abandonment. 11/05/2013:- Pipe has visible holes throughout both LS and WS along with pipe deformation. - looks abandoned. Needs proper abandonment.- alfalfa valve on concrete pipe riser on waterside toe.- no slide gate found on waterside. No pump and pile structure found in river. FIELD_STRUCT_DESC: *ABANDONED* 24-inch corrugated metal irrigation discharge pipe through the levee, 10 feet below the crown, not found during 2016 inspection. Slide gate in a corrugated metal pipe (CMP) riser on the waterside (WS) slope, not found during 2016 inspection. Pipe supported on two timber pile bents across a drainage ditch on the landside (LS), only pile remnants found during 2016 inspection. Pump on a pile structure in the river, not found during 2016 inspection. Two concrete standpipes on the WS berm, one of which was found during the 2016 inspection. Installed by USACE in 1961. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 1.29)]. FS Date: 8/23/2016						

Photo 3 of 3 : UCIP_SP_2018_50216_43160.jpg



WS view: concrete riser with alfalfa valve on levee berm.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	03/27/2018 03/27/2018	Richard Willoughby

LM Start	1.32	Rating **	A/W	Issue No.	61
LM End	1.32	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.464357 °	37.464357 °
				-121.032670 °	-121.032670 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:50218					
DS_ID:22076					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments: 08/23/2016: WS flapgates were held open by a piece of wood. Pipes may be used temporarily for irrigation. (K. Fazel - UCIP)11/05/2013: working during the inspection. (P. Amatya - DWR)					
FIELD_STRUCT_DESC: [Lateral Drain No. 5] 1 of 2: 48-inch corrugated metal gravity drainage pipe through the levee, 25.5 feet below the crown. Slide gate in a corrugated metal pipe (CMP) riser on the waterside (WS) slope. Flap gate on the WS end. 70-foot-long cobble spillway to river. Installed by USACE in 1961. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 1.35)].					
FS Date: 11/5/2013					

LM Start	1.32	Rating **	A/W	Issue No.	61 (cont)
LM End	1.32	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_SP_2018_50218_43204.jpg



WS view: two outfall CMP pipes on levee slope.

Photo 2 of 3 : UCIP_SP_2018_50218_43203.jpg



WS view: two outfall CMP pipes with flap gates on concrete headwall.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	03/27/2018 03/27/2018	Richard Willoughby

LM Start	1.32	Rating **	A/W	Issue No.	61 (cont)	
LM End	1.32	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.464357 °	37.464357 °	
				-121.032670 °	-121.032670 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:50218						
DS_ID:22076						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments: 08/23/2016: WS flapgates were held open by a piece of wood. Pipes may be used temporarily for irrigation. (K. Fazel - UCIP)11/05/2013: working during the inspection. (P. Amatya - DWR)						
FIELD_STRUCT_DESC: [Lateral Drain No. 5] 1 of 2: 48-inch corrugated metal gravity drainage pipe through the levee, 25.5 feet below the crown. Slide gate in a corrugated metal pipe (CMP) riser on the waterside (WS) slope. Flap gate on the WS end. 70-foot-long cobble spillway to river. Installed by USACE in 1961. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 1.35)].						
FS Date: 11/5/2013						

Photo 3 of 3 : UCIP_SP_2018_50218_43202.jpg



WS view: two slide gates in CMP risers on levee slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	03/27/2018 03/27/2018	Richard Willoughby

LM Start	1.32	Rating **	A/W	Issue No.	62	
LM End	1.32	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.464335 °	37.464335 °	
				-121.032664 °	-121.032664 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:50217 DS_ID:22119 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 08/23/2016: WS flapgates were held open by a piece of wood. Pipes may be used temporarily for irrigation. (K. Fazel - UCIP)11/05/2013: working during field inspection. (P. Amatya - DWR) FIELD_STRUCT_DESC: [Lateral Drain No. 5] 2 of 2: 48-inch corrugated metal gravity drainage pipe through the levee, 25.5 feet below the crown. Slide gate in a corrugated metal pipe (CMP) riser on the waterside (WS) slope. Flap gate on the WS end. 70-foot-long cobble spillway to river. Installed by USACE in 1961. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 1.35)]. FS Date: 11/5/2013						

LM Start	1.32	Rating **	A/W	Issue No.	62 (cont)
LM End	1.32	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_SP_2018_50217_43217.jpg



WS view: two CMP risers with slide gates on levee slope.

Photo 2 of 3 : UCIP_SP_2018_50217_43216.jpg



WS view: two CMP outfall pipes with flap gates on levee slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	03/27/2018 03/27/2018	Richard Willoughby

LM Start	1.32	Rating **	A/W	Issue No.	62 (cont)	
LM End	1.32	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.464335 °	37.464335 °	
				-121.032664 °	-121.032664 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:50217 DS_ID:22119 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 08/23/2016: WS flapgates were held open by a piece of wood. Pipes may be used temporarily for irrigation. (K. Fazel - UCIP)11/05/2013: working during field inspection. (P. Amatya - DWR) FIELD_STRUCT_DESC: [Lateral Drain No. 5] 2 of 2: 48-inch corrugated metal gravity drainage pipe through the levee, 25.5 feet below the crown. Slide gate in a corrugated metal pipe (CMP) riser on the waterside (WS) slope. Flap gate on the WS end. 70-foot-long cobble spillway to river. Installed by USACE in 1961. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 1.35)]. FS Date: 11/5/2013						

Photo 3 of 3 : UCIP_SP_2018_50217_43215.jpg



WS view: front view of two CMP outfall pipes with flap gates on levee slope.

LM Start	1.83	Rating **	A/W	Issue No.	59
LM End	1.93	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.457653 °	37.456258 °
				-121.033728 °	-121.033645 °
DWR ID	DWR_RD2063_01_s_2017_59				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Minor erosion at waterward slope was repaired.					

Photo 1 of 4 : SP_2018_RD2063_112_59_20180307_00011.jpg



Looking downstream at minor erosion on waterward slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	03/27/2018 03/27/2018	Richard Willoughby

LM Start	1.83	Rating **	A/W	Issue No.	59 (cont)	
LM End	1.93	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Erosion / Bank Caving			37.457653 °	37.456258 °	
				-121.033728 °	-121.033645 °	
DWR ID	DWR_RD2063_01_s_2017_59					
Comment Code						
E1 : Note and monitor erosion site.						
Inspector Comment						
Minor erosion at waterward slope was repaired.						

Photo 2 of 4 : SP_2018_RD2063_112_59_20180307_00012.jpg



Looking upstream at minor erosion on waterward slope.

LM Start	1.83	Rating **	A/W	Issue No.	59 (cont)
LM End	1.93	Issue Type +	Ma	Location *	WS

Photo 3 of 4 : SP_2018_RD2063_112_59_20180328_00113.jpg



Looking downstream at repaired site. (Spring 2018)

LM Start	1.83	Rating **	A/W	Issue No.	59 (cont)
LM End	1.93	Issue Type +	Ma	Location *	WS

Photo 4 of 4 : SP_2018_RD2063_112_59_20180328_00114.jpg



Looking upstream at repaired site. (Spring 2018)

*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	03/27/2018 03/27/2018	Richard Willoughby

LM Start	2.09	Rating **	M	Issue No.	63
LM End	2.09	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.454125°	37.454125°
				-121.032240°	-121.032240°
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:24404 DS_ID:22078 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Concrete distribution box with alfalfa valve not found at the waterward toe.Two steel standpipes and dismantled concrete standpipe on waterside levee toe.Concrete distribution box 50 ft off the levee center. FIELD_STRUCT_DESC: 30-inch corrugated metal irrigation discharge pipe through the levee, 16.5 feet below the crown. Slide gate in a concrete distribution box, 50 feet off the levee. Underground irrigation system. Installed by USACE in 1961. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 2.11)]. FS Date: 11/5/2013					

LM Start	2.09	Rating **	M	Issue No.	63 (cont)
LM End	2.09	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_SP_2018_24404_43345.jpg



WS view: concrete box (top), and a dismantled concrete pipe on levee toe.

Photo 2 of 3 : UCIP_SP_2018_24404_43344.jpg



WS view: a dismantled concrete pipe on levee toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	03/27/2018 03/27/2018	Richard Willoughby

LM Start	2.09	Rating **	M	Issue No.	63 (cont)	
LM End	2.09	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.454125°	37.454125°	
				-121.032240°	-121.032240°	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:24404 DS_ID:22078 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Concrete distribution box with alfalfa valve not found at the waterward toe.Two steel standpipes and dismantled concrete standpipe on waterside levee toe.Concrete distribution box 50 ft off the levee center. FIELD_STRUCT_DESC: 30-inch corrugated metal irrigation discharge pipe through the levee, 16.5 feet below the crown. Slide gate in a concrete distribution box, 50 feet off the levee. Underground irrigation system. Installed by USACE in 1961. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 2.11)]. FS Date: 11/5/2013						

Photo 3 of 3 : UCIP_SP_2018_24404_43343.jpg



WS view: concrete distribution box with slide gate off the levee toe.

LM Start	2.27	Rating **	A/W	Issue No.	64
LM End	2.27	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.451946 °	37.451946 °
				-121.030672 °	-121.030672 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:51823					
DS_ID:22081					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments: - concrete standpipe on waterside toe.- concrete distribution box on landside.- an alfalfa valve on waterside toe.					
FIELD_STRUCT_DESC: 30-inch corrugated metal gravity drainage pipe through the levee, 12 feet below the crown. Flap gate on the waterside (WS) end. Slide gate in a concrete distribution box on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 2.29)].					
FS Date: 11/5/2013					

Photo 1 of 3 : UCIP_SP_2018_51823_43348.jpg



WS view: concrete standpipe on levee toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	03/27/2018 03/27/2018	Richard Willoughby

LM Start	2.27	Rating **	A/W	Issue No.	64 (cont)	
LM End	2.27	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.451946 °	37.451946 °	
				-121.030672 °	-121.030672 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:51823						
DS_ID:22081						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments: - concrete standpipe on waterside toe.- concrete distribution box on landside.- an alfalfa valve on waterside toe.						
FIELD_STRUCT_DESC: 30-inch corrugated metal gravity drainage pipe through the levee, 12 feet below the crown. Flap gate on the waterside (WS) end. Slide gate in a concrete distribution box on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 2.29)].						
FS Date: 11/5/2013						

LM Start	2.27	Rating **	A/W	Issue No.	64 (cont)
LM End	2.27	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_SP_2018_51823_43347.jpg



LS view: concrete distribution box and temporary walkway on levee toe.

Photo 3 of 3 : UCIP_SP_2018_51823_43346.jpg



LS view: slide gate in concrete distribution box.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	03/27/2018 03/27/2018	Richard Willoughby

LM Start	2.35	Rating **	M	Issue No.	65
LM End	2.35	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.451311 °	37.451311 °
				-121.029322 °	-121.029322 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:41551 DS_ID:22084 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - removed and laying on the ground. Debris should be removed. FIELD_STRUCT_DESC: Concrete standpipe removed and laying on the ground on the waterward toe. FS Date: 11/5/2013					

No Photos

LM Start	2.43	Rating **	M	Issue No.	66	
LM End	2.43	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.450330 °	37.450330 °	
				-121.028674 °	-121.028674 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:24427 DS_ID:22085 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Abandoned steel pipe and service pole on waterside. Pump not found on river bank. CMP riser on waterside slope. Slide gate not found in CMP riser. Steel pipe riser on waterside berm.Damaged PVC standpipe on waterside slope. FIELD_STRUCT_DESC: *ABANDONED* 24-inch corrugated metal irrigation discharge pipe through the levee, 10 feet below the crown. Slide gate in a corrugated metal pipe (CMP) riser on the waterside (WS) slope. 20-inch standpipe 3 feet from the landside (LS) toe. 12-inch pipe across the berm and into a CMP riser on the WS slope. Pump on riverbank. Installed by USACE in 1961. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 2.46)]. FS Date: 11/5/2013						

Photo 1 of 3 : UCIP_SP_2018_24427_43439.jpg



WS view: abandoned steel pipe on river bank. No pump found on river bank.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	03/27/2018 03/27/2018	Richard Willoughby

LM Start	2.43	Rating **	M	Issue No.	66 (cont)	
LM End	2.43	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.450330 °	37.450330 °	
				-121.028674 °	-121.028674 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:24427 DS_ID:22085 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Abandoned steel pipe and service pole on waterside. Pump not found on river bank. CMP riser on waterside slope. Slide gate not found in CMP riser. Steel pipe riser on waterside berm.Damaged PVC standpipe on waterside slope. FIELD_STRUCT_DESC: *ABANDONED* 24-inch corrugated metal irrigation discharge pipe through the levee, 10 feet below the crown. Slide gate in a corrugated metal pipe (CMP) riser on the waterside (WS) slope. 20-inch standpipe 3 feet from the landside (LS) toe. 12-inch pipe across the berm and into a CMP riser on the WS slope. Pump on riverbank. Installed by USACE in 1961. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 2.46)]. FS Date: 11/5/2013						

Photo 2 of 3 : UCIP_SP_2018_24427_43438.jpg



WS view: abandoned power pole on levee berm.

LM Start	2.43	Rating **	M	Issue No.	66 (cont)
LM End	2.43	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2018_24427_43437.jpg



WS view: steel pipe and concrete riser on levee berm.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	03/27/2018 03/27/2018	Richard Willoughby

LM Start	2.59	Rating **	M	Issue No.	43
LM End	2.59	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.448579 °	37.448579 °
				-121.026752 °	-121.026752 °
DWR ID	DWR_RD2063_01_s_2018_43				
Comment Code					
Inspector Comment					

No Photos

LM Start	2.62	Rating **	M	Issue No.	67
LM End	2.62	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.448233 °	37.448233 °
				-121.026521 °	-121.026521 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:24435					
DS_ID:22086					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Both pipe ends 70 ft off the levee center.Clearing and cleaning of inlet/outlet pipe needed.					
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 12 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. Installed by USACE in 1961. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 2.65)].					
FS Date: 11/5/2013					

Photo 1 of 3 : UCIP_SP_2018_24435_43484.jpg



WS view: U shaped headwall outlet structure 70 ft off the levee center.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	03/27/2018 03/27/2018	Richard Willoughby

LM Start	2.62	Rating **	M	Issue No.	67 (cont)	
LM End	2.62	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.448233 °	37.448233 °	
				-121.026521 °	-121.026521 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:24435 DS_ID:22086 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Both pipe ends 70 ft off the levee center.Clearing and cleaning of inlet/outlet pipe needed. FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 12 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. Installed by USACE in 1961. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 2.65)]. FS Date: 11/5/2013						

LM Start	2.62	Rating **	M	Issue No.	67 (cont)
LM End	2.62	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_SP_2018_24435_43483.jpg



WS view: U shaped headwall outlet structure and pipe with flap gate.

Photo 3 of 3 : UCIP_SP_2018_24435_43482.jpg



LS view: concrete headwall with CMP 70 ft off the levee center.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	03/27/2018 03/27/2018	Richard Willoughby

LM Start	2.68	Rating **	A/W	Issue No.	68
LM End	2.68	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.447475 °	37.447475 °
				-121.026017 °	-121.026017 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:25023					
DS_ID:22087					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments: Both pipe ends about 85 feet off the levee center.					
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe					
through the levee, 20.3 feet below the crown. Flap gate on the					
waterside (WS) end. Concrete headwall on each end. Installed by					
USACE in 1961. [Additional Reference(s): DWR Levee Log, 1992.					
USACE San Joaquin O&M Manual 6, September 1961, (HLM 2.71)].					
FS Date: 11/5/2013					

Photo 1 of 3 : UCIP_SP_2018_25023_45102.jpg



WS view: U typed concrete headwall on river bank.

LM Start	2.68	Rating **	A/W	Issue No.	68 (cont)
LM End	2.68	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_SP_2018_25023_45101.jpg



WS view: pipe, flap gate, and concrete headwall on river bank.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	03/27/2018 03/27/2018	Richard Willoughby

LM Start	2.68	Rating **	A/W	Issue No.	68 (cont)	
LM End	2.68	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.447475 °	37.447475 °	
				-121.026017 °	-121.026017 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:25023						
DS_ID:22087						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments: Both pipe ends about 85 feet off the levee center.						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe						
through the levee, 20.3 feet below the crown. Flap gate on the						
waterside (WS) end. Concrete headwall on each end. Installed by						
USACE in 1961. [Additional Reference(s): DWR Levee Log, 1992.						
USACE San Joaquin O&M Manual 6, September 1961, (HLM 2.71)].						
FS Date: 11/5/2013						

Photo 3 of 3 : UCIP_SP_2018_25023_45100.jpg



LS view: pipe and concrete headwall off the levee toe.

LM Start	2.93	Rating **	M	Issue No.	69
LM End	2.93	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.443871 °	37.443871 °
				-121.025775 °	-121.025775 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:24443 DS_ID:22088 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - clear and clean debris FIELD_STRUCT_DESC: *ABANDONED* 24-inch corrugated metal gravity drainage pipe through the levee, 9.5 feet below the crown. Flap gate on the waterside (WS) end. Pipe open on the landside (LS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 2.97)]. FS Date: 11/5/2013					

Photo 1 of 3 : UCIP_SP_2018_24443_43522.jpg



WS view: U typed concrete headwall on levee slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	03/27/2018 03/27/2018	Richard Willoughby

LM Start	2.93	Rating **	M	Issue No.	69 (cont)	
LM End	2.93	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.443871 °	37.443871 °	
				-121.025775 °	-121.025775 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:24443						
DS_ID:22088						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: - clear and clean debris						
FIELD_STRUCT_DESC: *ABANDONED* 24-inch corrugated metal gravity drainage pipe through the levee, 9.5 feet below the crown. Flap gate on the waterside (WS) end. Pipe open on the landside (LS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 2.97)].						
FS Date: 11/5/2013						

LM Start	2.93	Rating **	M	Issue No.	69 (cont)
LM End	2.93	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_SP_2018_24443_43521.jpg



WS view: pipe, flap gate, and concrete headwall with debris blocking the outlet.

Photo 3 of 3 : UCIP_SP_2018_24443_43520.jpg



WS view: pipe, flap concrete headwall with soil debris blocking the inlet.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	03/27/2018 03/27/2018	Richard Willoughby

LM Start	3.29	Rating **	M	Issue No.	70	
LM End	3.29	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.441213 °	37.441213 °	
				-121.021130 °	-121.021130 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:24469						
DS_ID:22089						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: - cleaning required in inlet pipe.- new flap gate						
FIELD_STRUCT_DESC: *ABANDONED* 24-inch corrugated metal						
gravity drainage pipe through the levee, 12.5 feet below the crown. Flap						
gate on the waterside (WS) end. Concrete headwall on each end.						
[Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin						
O&M Manual 6, September 1961, (HLM 3.33)].						
FS Date: 11/5/2013						

Photo 1 of 3 : UCIP_SP_2018_24469_43645.jpg



WS view: U typed concrete headwall on levee toe

LM Start	3.29	Rating **	M	Issue No.	70 (cont)
LM End	3.29	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_SP_2018_24469_43644.jpg



WS view: new flap gate, and U typed concrete headwall.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	03/27/2018 03/27/2018	Richard Willoughby

LM Start	3.29	Rating **	M	Issue No.	70 (cont)	
LM End	3.29	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.441213 °	37.441213 °	
				-121.021130 °	-121.021130 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:24469 DS_ID:22089 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - cleaning required in inlet pipe.- new flap gate FIELD_STRUCT_DESC: *ABANDONED* 24-inch corrugated metal gravity drainage pipe through the levee, 12.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 3.33)]. FS Date: 11/5/2013						

Photo 3 of 3 : UCIP_SP_2018_24469_43643.jpg



LS view: CM pipe and concrete headwall on levee slope. Debris blocking inlet pipe.

LM Start	3.64	Rating **	M	Issue No.	71
LM End	3.64	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.436845 °	37.436845 °
				-121.017826 °	-121.017826 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:24485 DS_ID:22093 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - new flap gate on waterside.- cleaning and clearing of inlet box needed. FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 12 feet below the crown. Flap gate and concrete saddle on the waterside (WS) end. Concrete drop inlet box on the landside (LS) end. Installed by USACE in 1961. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 3.69)]. FS Date: 11/5/2013					

Photo 1 of 3 : UCIP_SP_2018_24485_43667.jpg



WS view: pipe, flap gate, and concrete saddle on levee slope

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	03/27/2018 03/27/2018	Richard Willoughby

LM Start	3.64	Rating **	M	Issue No.	71 (cont)	
LM End	3.64	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.436845 °	37.436845 °	
				-121.017826 °	-121.017826 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:24485						
DS_ID:22093						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: - new flap gate on waterside.- cleaning and clearing of inlet box needed.						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 12 feet below the crown. Flap gate and concrete saddle on the waterside (WS) end. Concrete drop inlet box on the landside (LS) end. Installed by USACE in 1961. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 3.69)].						
FS Date: 11/5/2013						

LM Start	3.64	Rating **	M	Issue No.	71 (cont)
LM End	3.64	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_SP_2018_24485_43666.jpg



LS view: concrete drop inlet box on levee toe.

Photo 3 of 3 : UCIP_SP_2018_24485_43665.jpg



LS view: inside view of inlet box on levee toe. Debris blocking inlet pipe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	03/27/2018 03/27/2018	Richard Willoughby

LM Start	3.65	Rating **	C	Issue No.	55
LM End	3.65	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.436759 °	37.436759 °
				-121.017744 °	-121.017744 °
DWR ID	DWR_RD2063_01_f_2017_55				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Vegetation at the landside toe.					

No Photos

LM Start	3.68	Rating **	C	Issue No.	49
LM End	3.68	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.436441 °	37.436441 °
				-121.017376 °	-121.017376 °
DWR ID	DWR_RD2063_01_f_2016_49				
Comment Code					
EQ : Equipment					
Inspector Comment					
abandoned truck at landside toe.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	03/27/2018 03/27/2018	Richard Willoughby

LM Start	4.02	Rating **	A/W	Issue No.	72
LM End	4.02	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.432813 °	37.432813 °
				-121.013419 °	-121.013419 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:51821					
DS_ID:22096					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments: 05/11/2017 Review of photos indicate less than 1/4 of the inlet is silted in. Since the pipe is in good condition, it has been downgraded from Non-Urgent to No Action Needed. (K. Fazel - UCIP)11/05/2013:- new flap gate on waterside.- cleaning of outlet and inlet pipes required. (P. Amatya - DWR)					
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 12 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. Installed by USACE in 1961. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 4.08)].					
FS Date: 11/5/2013					

Photo 1 of 3 : UCIP_SP_2018_51821_43842.jpg



WS view: pipe, flap gate, and concrete headwall on drainage ditch.

LM Start	4.02	Rating **	A/W	Issue No.	72 (cont)
LM End	4.02	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_SP_2018_51821_43841.jpg



LS view: CM pipe and concrete headwall on levee toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	03/27/2018 03/27/2018	Richard Willoughby

LM Start	4.02	Rating **	A/W	Issue No.	72 (cont)	
LM End	4.02	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.432813 °		37.432813 °
				-121.013419 °		-121.013419 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:51821						
DS_ID:22096						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments: 05/11/2017 Review of photos indicate less than 1/4 of the inlet is silted in. Since the pipe is in good condition, it has been downgraded from Non-Urgent to No Action Needed. (K. Fazel - UCIP)11/05/2013:- new flap gate on waterside.- cleaning of outlet and inlet pipes required. (P. Amatya - DWR)						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 12 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. Installed by USACE in 1961. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 4.08)].						
FS Date: 11/5/2013						

Photo 3 of 3 : UCIP_SP_2018_51821_43840.jpg



LS view: inside view of the CM pipe on levee toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	03/27/2018 03/27/2018	Richard Willoughby

LM Start	4.10	Rating **	M	Issue No.	73
LM End	4.10	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.431846 °	37.431846 °
				-121.012716 °	-121.012716 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:41746
DS_ID:22099
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: Need to determine if annular space has been grouted or if repair/sleeving was done in accordance with a permit or Title 23. Slide gate not found in CM pipe riser on the waterward slope. Dense vegetation on waterside. Pipe only visible in CMP riser on waterside slope.
FIELD_STRUCT_DESC: 24-inch corrugated metal irrigation discharge pipe through the levee, 10 feet below the crown. Smaller pipe sleeved through the 24-inch pipe. Slide gate in a corrugated metal pipe (CMP) riser on the waterside (WS) slope. Connects to a concrete pipe irrigation system. Installed by USACE in 1961. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 4.16)].
FS Date: 11/5/2013

LM Start	4.10	Rating **	M	Issue No.	73 (cont)
LM End	4.10	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_SP_2018_41746_43850.jpg



WS view: CMP riser on levee slope. Steel riser on top of CMP.

Photo 2 of 3 : UCIP_SP_2018_41746_43849.jpg



WS view: inside view of CMP riser on levee slope. Steel pipe and 24" CMP visible inside the riser.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	03/27/2018 03/27/2018	Richard Willoughby

LM Start	4.10	Rating **	M	Issue No.	73 (cont)	
LM End	4.10	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.431846 °	37.431846 °	
				-121.012716 °	-121.012716 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:41746 DS_ID:22099 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to determine if annular space has been grouted or if repair/sleeving was done in accordance with a permit or Title 23. Slide gate not found in CM pipe riser on the waterward slope.Dense vegetation on waterside.Pipe only visible in CMP riser on waterside slope. FIELD_STRUCT_DESC: 24-inch corrugated metal irrigation discharge pipe through the levee, 10 feet below the crown. Smaller pipe sleeved through the 24-inch pipe. Slide gate in a corrugated metal pipe (CMP) riser on the waterside (WS) slope. Connects to a concrete pipe irrigation system. Installed by USACE in 1961. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 4.16)]. FS Date: 11/5/2013						

Photo 3 of 3 : UCIP_SP_2018_41746_43848.jpg



LS view: discharge pipe and concrete distribution box on levee toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	03/27/2018 03/27/2018	Richard Willoughby

LM Start	4.17	Rating **	M	Issue No.	74
LM End	4.17	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.431029 °	37.431029 °
				-121.011865 °	-121.011865 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:25025					
DS_ID:24732					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: - new pipe to pump.- overhead power line.- soil cover over the pipe seems not enough.					
FIELD_STRUCT_DESC: 24-inch steel drainage discharge pipe through the levee, immediately beneath the crown. A thin layer of dirt acts as cover for the pipe. Pump house on a steel structure in a drainage ditch on the landside (LS). Pump house and pipe on the LS look new. Old wooden walkway to the pump house. Three new air vents on the waterside (WS). Pipe opens on the WS. Exposed old pipe on the WS.					
FS Date: 11/6/2013					

Photo 1 of 3 : UCIP_SP_2018_25025_45110.jpg



WS view: air vents (top- red) on exposed steel pipe.

LM Start	4.17	Rating **	M	Issue No.	74 (cont)
LM End	4.17	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2018_25025_45109.jpg



WS view: discharge pipe end on levee toe. No flap gate.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

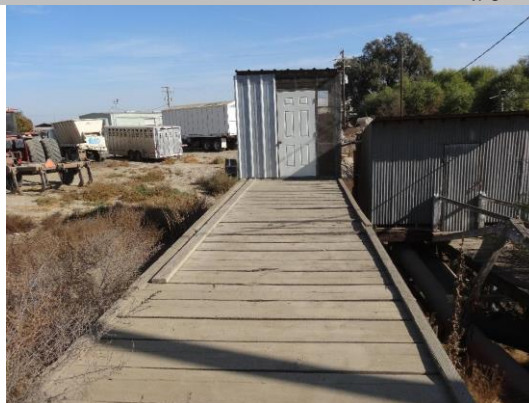
Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	03/27/2018 03/27/2018	Richard Willoughby

LM Start	4.17	Rating **	M	Issue No.	74 (cont)	
LM End	4.17	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			37.431029 °	37.431029 °	
				-121.011865 °	-121.011865 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:25025 DS_ID:24732 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - new pipe to pump.- overhead power line.- soil cover over the pipe seems not enough. FIELD_STRUCT_DESC: 24-inch steel drainage discharge pipe through the levee, immediately beneath the crown. A thin layer of dirt acts as cover for the pipe. Pump house on a steel structure in a drainage ditch on the landside (LS). Pump house and pipe on the LS look new. Old wooden walkway to the pump house. Three new air vents on the waterside (WS). Pipe opens on the WS. Exposed old pipe on the WS. FS Date: 11/6/2013						

Photo 3 of 3 : UCIP_SP_2018_25025_45108.jpg



LS view: walkway to pump and pump house on levee slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	03/27/2018 03/27/2018	Richard Willoughby

LM Start	4.17	Rating **	A/W	Issue No.	75
LM End	4.17	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.431005 °	37.431005 °
				-121.011843 °	-121.011843 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:24603
 DS_ID:22100
 EP_NO: 6721
 Repair Type: No Action Needed
 Crossing Status: Found
 UCIP Comments: - Overhead power line.- looks new inlet pipes in pumphouse.
 FIELD_STRUCT_DESC: [Vivian Slough Pumping Plant] 1 of 3: 18-inch steel drainage discharge pipe through the levee, 2 feet below the crown. Pumps in a pump house and timber walkway on the landside (LS). Riser on the waterside (WS). (Plans to install a 30-horsepower pump and discharge pipe at existing pumping plant authorized under Permit No. 6721, 1969 - Reclamation District No. 2063. Plans to replace two 20-inch pipes through the levee at existing pumping plant authorized under Permit No. 6721-A, 1980 - Reclamation District No. 2063). [Additional Reference(s): DWR Levee Log, 1992, two 20-inch and one 22-inch pipes referenced. USACE San Joaquin O&M Manual 6, September 1961, (HLM 4.23), two 20-inch pipes referenced].
 FS Date: 11/6/2013

LM Start	4.17	Rating **	A/W	Issue No.	75 (cont)
LM End	4.17	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_SP_2018_24603_43860.jpg



LS view: walkway to pump, pump house (right), and pipes on levee

Photo 2 of 3 : UCIP_SP_2018_24603_43862.jpg



LS view: pipes (18" pipe - left, 20" pipe- right) under walkway and pump house on levee slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	03/27/2018 03/27/2018	Richard Willoughby

LM Start	4.17	Rating **	A/W	Issue No.	75 (cont)	
LM End	4.17	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.431005 °	37.431005 °	
				-121.011843 °	-121.011843 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:24603 DS_ID:22100 EP_NO: 6721 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: - Overhead power line.- looks new inlet pipes in pumphouse. FIELD_STRUCT_DESC: [Vivian Slough Pumping Plant] 1 of 3: 18-inch steel drainage discharge pipe through the levee, 2 feet below the crown. Pumps in a pump house and timber walkway on the landside (LS). Riser on the waterside (WS). (Plans to install a 30-horsepower pump and discharge pipe at existing pumping plant authorized under Permit No. 6721, 1969 - Reclamation District No. 2063. Plans to replace two 20-inch pipes through the levee at existing pumping plant authorized under Permit No. 6721-A, 1980 - Reclamation District No. 2063). [Additional Reference(s): DWR Levee Log, 1992, two 20-inch and one 22-inch pipes referenced. USACE San Joaquin O&M Manual 6, September 1961, (HLM 4.23), two 20-inch pipes referenced]. FS Date: 11/6/2013						

Photo 3 of 3 : UCIP_SP_2018_24603_43861.jpg



LS view: intake sump under pump house, and pipes in drainage ditch.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	03/27/2018 03/27/2018	Richard Willoughby

LM Start	4.17	Rating **	A/W	Issue No.	76	
LM End	4.17	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.431003 °	37.431003 °	
				-121.011834 °	-121.011834 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:25026 DS_ID:22120 EP_NO: 6721 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: New intake pipe to pump.Pump house on concrete sump in drainage ditch. FIELD_STRUCT_DESC: [Vivian Slough Pumping Plant] 2 of 3: 20-inch steel drainage discharge pipe through the levee, 2 feet below the crown. Pumps in a pump house and timber walkway on the landside (LS). Riser on the waterside (WS). (Plans to install a 30-horsepower pump and discharge pipe at existing pumping plant authorized under Permit No. 6721, 1969 - Reclamation District No. 2063. Plans to replace two 20-inch pipes through the levee at existing pumping plant authorized under Permit No. 6721-A, 1980 - Reclamation District No. 2063). [Additional Reference(s): DWR Levee Log, 1992, two 20-inch and one 22-inch pipes referenced. USACE San Joaquin O&M Manual 6, September 1961, (HLM 4.23), two 20-inch pipes referenced]. FS Date: 11/6/2013						

LM Start	4.17	Rating **	A/W	Issue No.	76 (cont)
LM End	4.17	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_SP_2018_25026_45115.jpg



WS view: air vents (red) on levee slope.

Photo 2 of 3 : UCIP_SP_2018_25026_45114.jpg



WS view: discharge pipes end on levee toe. No flap gates on right 3 pipes.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	03/27/2018 03/27/2018	Richard Willoughby

LM Start	4.17	Rating **	A/W	Issue No.	76 (cont)
LM End	4.17	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.431003 °	37.431003 °
				-121.011834 °	-121.011834 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:25026
 DS_ID:22120
 EP_NO: 6721
 Repair Type: No Action Needed
 Crossing Status: Found
 UCIP Comments: New intake pipe to pump. Pump house on concrete sump in drainage ditch.
 FIELD_STRUCT_DESC: [Vivian Slough Pumping Plant] 2 of 3: 20-inch steel drainage discharge pipe through the levee, 2 feet below the crown. Pumps in a pump house and timber walkway on the landside (LS). Riser on the waterside (WS). (Plans to install a 30-horsepower pump and discharge pipe at existing pumping plant authorized under Permit No. 6721, 1969 - Reclamation District No. 2063. Plans to replace two 20-inch pipes through the levee at existing pumping plant authorized under Permit No. 6721-A, 1980 - Reclamation District No. 2063).
 [Additional Reference(s): DWR Levee Log, 1992, two 20-inch and one 22-inch pipes referenced. USACE San Joaquin O&M Manual 6, September 1961, (HLM 4.23), two 20-inch pipes referenced].
 FS Date: 11/6/2013

Photo 3 of 3 : UCIP_SP_2018_25026_45117.jpg



LS view: 18" steel pipe (left) and 20" steel pipe (right) under walkway.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	03/27/2018 03/27/2018	Richard Willoughby

LM Start	4.18	Rating **	A/W	Issue No.	77
LM End	4.18	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.430990 °	37.430990 °
				-121.011814 °	-121.011814 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:25027 DS_ID:22121 EP_NO: 6721 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: - new intake pipe to the pump.- overhead power line. FIELD_STRUCT_DESC: [Vivian Slough Pumping Plant] 3 of 3: 16-inch steel drainage discharge pipe through the levee, 3.6 feet below the crown. Pumps in a pump house and timber walkway on the landside (LS). Riser on the waterside (WS). (Plans to install a 30-horsepower pump and discharge pipe at existing pumping plant authorized under Permit No. 6721, 1969 - Reclamation District No. 2063. Plans to replace two 20-inch pipes through the levee at existing pumping plant authorized under Permit No. 6721-A, 1980 - Reclamation District No. 2063). [Additional Reference(s): DWR Levee Log, 1992, two 20-inch and one 22-inch pipes referenced. USACE San Joaquin O&M Manual 6, September 1961, (HLM 4.23), two 20-inch pipes referenced]. FS Date: 11/6/2013					

LM Start	4.18	Rating **	A/W	Issue No.	77 (cont)
LM End	4.18	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_SP_2018_25027_45120.jpg



LS view: walkway to pump and pump house on levee slope.

Photo 2 of 3 : UCIP_SP_2018_25027_45119.jpg



LS view: walkway to pump and pipe (right) on levee slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	03/27/2018 03/27/2018	Richard Willoughby

LM Start	4.18	Rating **	A/W	Issue No.	77 (cont)	
LM End	4.18	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.430990 °	37.430990 °	
				-121.011814 °	-121.011814 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:25027 DS_ID:22121 EP_NO: 6721 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: - new intake pipe to the pump.- overhead power line. FIELD_STRUCT_DESC: [Vivian Slough Pumping Plant] 3 of 3: 16-inch steel drainage discharge pipe through the levee, 3.6 feet below the crown. Pumps in a pump house and timber walkway on the landside (LS). Riser on the waterside (WS). (Plans to install a 30-horsepower pump and discharge pipe at existing pumping plant authorized under Permit No. 6721, 1969 - Reclamation District No. 2063. Plans to replace two 20-inch pipes through the levee at existing pumping plant authorized under Permit No. 6721-A, 1980 - Reclamation District No. 2063). [Additional Reference(s): DWR Levee Log, 1992, two 20-inch and one 22-inch pipes referenced. USACE San Joaquin O&M Manual 6, September 1961, (HLM 4.23), two 20-inch pipes referenced]. FS Date: 11/6/2013						

Photo 3 of 3 : UCIP_SP_2018_25027_45118.jpg



LS view: intake pipes and pump house on concrete sump in drainage ditch.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	03/27/2018 03/27/2018	Richard Willoughby

LM Start	4.58	Rating **	M	Issue No.	78	
LM End	4.58	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			37.429501 °		37.429501 °
				-121.005667 °		-121.005667 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:25028 DS_ID:22103 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Leaky pipe joint on landside where pipe daylights.Power pole on waterside. FIELD_STRUCT_DESC: 10-inch steel irrigation discharge pipe through the levee, 4 feet below the crown. Pump at the top of the riverbank. Gate valve on the waterside (WS) slope. Siphon breaker on the landside (LS) slope. Pipe daylights halfway down the LS slope and empties into a concrete standpipe at the LS toe. Installed by USACE in 1961. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 4.65)]. FS Date: 11/6/2013						

LM Start	4.58	Rating **	M	Issue No.	78 (cont)
LM End	4.58	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_SP_2018_25028_45125.jpg



WS view: overview of waterside- gate valve and power pole on levee slope.

Photo 2 of 3 : UCIP_SP_2018_25028_45124.jpg



WS view: pump, pipe and other appurtenances on levee toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	03/27/2018 03/27/2018	Richard Willoughby

LM Start	4.58	Rating **	M	Issue No.	78 (cont)	
LM End	4.58	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.429501 °	37.429501 °	
				-121.005667 °	-121.005667 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:25028						
DS_ID:22103						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Leaky pipe joint on landside where pipe daylights.Power pole on waterside.						
FIELD_STRUCT_DESC: 10-inch steel irrigation discharge pipe through the levee, 4 feet below the crown. Pump at the top of the riverbank. Gate valve on the waterside (WS) slope. Siphon breaker on the landside (LS) slope. Pipe daylights halfway down the LS slope and empties into a concrete standpipe at the LS toe. Installed by USACE in 1961. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 4.65)].						
FS Date: 11/6/2013						

Photo 3 of 3 : UCIP_SP_2018_25028_45123.jpg



WS view: U type headwall and pump on river bank.

LM Start	4.60	Rating **	M	Issue No.	31
LM End	4.60	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.429638 °	37.429638 °
				-121.005348 °	-121.005348 °
DWR ID	DWR_RD2063_01_s_2012_31				
Comment Code					
CR : Crops					
Inspector Comment					
Landowner planted grape vines and fruit trees and water tank on waterside berm without a permit from the CVFPB. Owner is continue to add to site. (Spring 2018)					

Photo 1 of 4 : SP_2018_RD2063_112_31_20180307_00004.jpg



Looking west at water tank on waterward berm.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	03/27/2018 03/27/2018	Richard Willoughby

LM Start	4.60	Rating **	M	Issue No.	31 (cont)	
LM End	4.60	Issue Type +	En	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Encroachments			37.429638 °	37.429638 °	
				-121.005348 °	-121.005348 °	
DWR ID	DWR_RD2063_01_s_2012_31					
Comment Code						
CR : Crops						
Inspector Comment						
Landowner planted grape vines and fruit trees and water tank on waterside berm without a permit from the CVFPB. Owner is continue to add to site. (Spring 2018)						

LM Start	4.60	Rating **	M	Issue No.	31 (cont)
LM End	4.60	Issue Type +	En	Location *	WS

Photo 2 of 4 : SP_2018_RD2063_112_31_20180307_00005.jpg



Looking south at grapevines and fruit trees on waterside berm.

Photo 3 of 4 : SP_2018_RD2063_112_31_20180328_00115.jpg



Looking west at trees with retaining wall around trees. (Spring 2018)

LM Start	4.60	Rating **	M	Issue No.	31 (cont)
LM End	4.60	Issue Type +	En	Location *	WS

Photo 4 of 4 : SP_2018_RD2063_112_31_20180328_00116.jpg



Looking upstream at trees on waterward berm. (Spring 2018)

*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	03/27/2018 03/27/2018	Richard Willoughby

LM Start	4.65	Rating **	C	Issue No.	56
LM End	4.67	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.429949 °	37.430042 °
				-121.004631 °	-121.004263 °
DWR ID	DWR_RD2063_01_f_2017_56				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	5.05	Rating **	M	Issue No.	79
LM End	5.05	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.427152 °	37.427152 °
				-120.999353 °	-120.999353 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:41669 DS_ID:22105 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Abandoned pipe should be done so properly.- rubber pipe attached to steel pipe on waterside.- a concrete standpipe on landside too.- overhead power line.- abandoned pipe and pile structure. Abandoned timber walkway on waterside. FIELD_STRUCT_DESC: 1 of 2: 12-inch concrete encased steel irrigation discharge pipe through the levee, 9 feet below the crown. Two pumps on a floating structure in the river. Two slide gates in a 72-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. Pipe discharges into a concrete distribution box on the landside (LS) toe. Installed by USACE in 1961. [Additional Reference(s): DWR Levee Log, 1992, 14-inch and 16-inch pipes referenced. USACE San Joaquin O&M Manual 6, September 1961, (HLM 5.13), 14-inch and 16-inch pipes referenced]. FS Date: 11/6/2013					

Photo 1 of 3 : UCIP_SP_2018_41669_45131.jpg



WS view: CMP riser, abandoned walkway, power pole on levee slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	03/27/2018 03/27/2018	Richard Willoughby

LM Start	5.05	Rating **	M	Issue No.	79 (cont)
LM End	5.05	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.427152 °	37.427152 °
				-120.999353 °	-120.999353 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:41669
DS_ID:22105
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: Abandoned pipe should be done so properly.- rubber pipe attached to steel pipe on waterside.- a concrete standpipe on landside too.- overhead power line.- abandoned pipe and pile structure. Abandoned timber walkway on waterside.
FIELD_STRUCT_DESC: 1 of 2: 12-inch concrete encased steel irrigation discharge pipe through the levee, 9 feet below the crown. Two pumps on a floating structure in the river. Two slide gates in a 72-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. Pipe discharges into a concrete distribution box on the landside (LS) toe. Installed by USACE in 1961. [Additional Reference(s): DWR Levee Log, 1992, 14-inch and 16-inch pipes referenced. USACE San Joaquin O&M Manual 6, September 1961, (HLM 5.13), 14-inch and 16-inch pipes referenced].
FS Date: 11/6/2013

LM Start	5.05	Rating **	M	Issue No.	79 (cont)
LM End	5.05	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2018_41669_45130.jpg



WS view: two gate valves inside CMP riser on levee slope.

Photo 3 of 3 : UCIP_SP_2018_41669_45129.jpg



WS view: abandoned walkway, pipe (left) and pump on floating structure in the river.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	03/27/2018 03/27/2018	Richard Willoughby

LM Start	5.05	Rating **	M	Issue No.	80
LM End	5.05	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.427143 °	37.427143 °
				-120.999374 °	-120.999374 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:41670 DS_ID:22123 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Any abandoned pipes should be verified as having been abandoned properly. - abandoned walkway, pile structure and steel pipe.- concrete standpipe on landside toe.- overhead power line. FIELD_STRUCT_DESC: 2 of 2: 12-inch concrete encased steel irrigation discharge pipe through the levee, 9 feet below the crown. Two pumps on a floating structure in the river. Two slide gates in a 72-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. Pipe discharges into a concrete distribution box on the landside (LS) toe. Installed by USACE in 1961. [Additional Reference(s): DWR Levee Log, 1992, 14-inch and 16-inch pipes referenced. USACE San Joaquin O&M Manual 6, September 1961, (HLM 5.13), 14-inch and 16-inch pipes referenced]. FS Date: 11/6/2013					

LM Start	5.05	Rating **	M	Issue No.	80 (cont)
LM End	5.05	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_SP_2018_41670_43905.jpg



WS view: CMP riser, abandoned walkway, power pole on levee slope.

Photo 2 of 3 : UCIP_SP_2018_41670_43904.jpg



WS view: two gate valves inside CMP riser on levee slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	03/27/2018 03/27/2018	Richard Willoughby

LM Start	5.05	Rating **	M	Issue No.	80 (cont)
LM End	5.05	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.427143 °	37.427143 °
				-120.999374 °	-120.999374 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:41670 DS_ID:22123 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Any abandoned pipes should be verified as having been abandoned properly. - abandoned walkway, pile structure and steel pipe.- concrete standpipe on landside toe.- overhead power line. FIELD_STRUCT_DESC: 2 of 2: 12-inch concrete encased steel irrigation discharge pipe through the levee, 9 feet below the crown. Two pumps on a floating structure in the river. Two slide gates in a 72-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. Pipe discharges into a concrete distribution box on the landside (LS) toe. Installed by USACE in 1961. [Additional Reference(s): DWR Levee Log, 1992, 14-inch and 16-inch pipes referenced. USACE San Joaquin O&M Manual 6, September 1961, (HLM 5.13), 14-inch and 16-inch pipes referenced]. FS Date: 11/6/2013					

Photo 3 of 3 : UCIP_SP_2018_41670_43903.jpg



WS view: abandoned steel pipe (right), rubber pipe attached to steel pipe to pump on floating structure in the river.

LM Start	5.68	Rating **	A/W	Issue No.	57
LM End	5.70	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.419768 °	37.419569 °
				-120.998932 °	-120.998661 °
DWR ID	DWR_RD2063_01_f_2017_57				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	03/27/2018 03/27/2018	Richard Willoughby

LM Start	5.74	Rating **	C	Issue No.	58
LM End	5.77	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.419096 °	37.418687 °
				-120.998219 °	-120.997961 °
DWR ID	DWR_RD2063_01_f_2017_58				
Comment Code					
FE : Fence					
Inspector Comment					
Landowner has fence at landside toe.					

No Photos

LM Start	6.53	Rating **	M	Issue No.	81	
LM End	6.53	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.411347 °	37.411347 °	
				-120.998063 °	-120.998063 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:24628 DS_ID:22108 EP_NO: 4062 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Abandoned pipe also found adjacent to this pipe. Needs proper abandonment.Soil erosion under pipe on waterside. No pipe visible on landside.Overhead powerline. FIELD_STRUCT_DESC: 12-inch polyvinyl chloride (PVC) irrigation discharge pipe through the levee, 3 feet below the crown. Floating pump in the river. Gate valve and air vent on the waterside (WS) berm. Service pole with overhead line on the WS shoulder. (Plans for an existing pump with discharge pipe through the levee authorized under Permit No. 4062, 1962 - John W. Greer). [Additional Reference(s): DWR Levee Log, 1992]. FS Date: 11/6/2013						

Photo 1 of 3 : UCIP_SP_2018_24628_43938.jpg



WS view: steel pipe, gate valve, air vent on levee berm.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

Levee Inspection Report By Mile - Spring 2018

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	03/27/2018 03/27/2018	Richard Willoughby

LM Start	6.53	Rating **	M	Issue No.	81 (cont)
LM End	6.53	Issue Type +	En	Location *	

A large white PVC pipe is shown lying horizontally on the ground. It is secured with two black straps. The pipe is surrounded by dry grass and some small green plants.

WS view: exposed pipe on levee slope. Erosion under the pipe.

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	03/27/2018 03/27/2018	Richard Willoughby

LM Start	6.96	Rating **	M	Issue No.	82
LM End	6.96	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.409073 °	37.409073 °
				-120.992041 °	-120.992041 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:24629
DS_ID:22109
EP_NO: 13541
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: - erosion around CMP riser on waterside- no U type headwall found on landside.- no pipe found on landside.
FIELD_STRUCT_DESC: 16-inch steel irrigation discharge pipe through the levee, 10 feet below the crown. Pump on the riverbank. Gate valve in a corrugated metal pipe (CMP) riser on the waterside (WS) slope. Concrete U-shaped headwall on the landside (LS) end. Installed by USACE in 1961. (Plans to construct an elevated platform and replace a centrifugal pump with a new vertical pump on the riverbank authorized under Permit No. 13541, 1982 - Joaquin Cabral). [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 7.08), 10-inch pipe referenced].
FS Date: 11/6/2013

LM Start	6.96	Rating **	M	Issue No.	82 (cont)
LM End	6.96	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_SP_2018_24629_43943.jpg



WS view: power pole, walkway to pump, CMP riser, and pipe on waterside slope.

Photo 2 of 3 : UCIP_SP_2018_24629_43942.jpg



WS view: walkway to pump and pump on pile structure in the stream.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Levee Inspection Report By Mile - Spring 2018

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	03/27/2018 03/27/2018	Richard Willoughby

Photo 3 of 3 : UCIP_SP_2018_24629_43944.jpg



WS view: gate valve in CMP riser. Soil erosion around CMP riser.

Photo 1 of 3 : UCIP_SP_2018_24632_43953.jpg



WS view: CMP riser on levee slope. No pipe visible on levee slope.

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	03/27/2018 03/27/2018	Richard Willoughby

LM Start	7.48	Rating **	A/W	Issue No.	83 (cont)	
LM End	7.48	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.404195 °		37.404195 °
				-120.986709 °		-120.986709 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:24632 DS_ID:22110 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: No pipe visible on landside.Flap gate not found on the waterside end. Concrete "U" headwalls not found on ends of pipe. FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 25.5 feet below the crown. Slide gate in a corrugated metal pipe (CMP) riser on the waterside (WS) slope. Flap gate on the WS end. Concrete U-shaped headwall on each end. Installed by USACE in 1961. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 7.61)]. FS Date: 11/6/2013						

Photo 2 of 3 : UCIP_SP_2018_24632_43952.jpg



WS view: slide gate in CMP riser on levee slope.

LM Start	7.48	Rating **	A/W	Issue No.	83 (cont)
LM End	7.48	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_SP_2018_24632_43951.jpg



LS view: concrete distribution box on levee toe. Pump on the box discharges water into irrigation ditch.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	03/27/2018 03/27/2018	Richard Willoughby

LM Start	7.50	Rating **	M	Issue No.	84	
LM End	7.50	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.404130 °		37.404130 °
				-120.986454 °		-120.986454 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:25031 DS_ID:22111 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pump mounted on top of concrete pipe sump not found on the waterside. Concrete standpipe not found on the landward side.Looks abandoned. FIELD_STRUCT_DESC: *ABANDONED* 12-inch concrete encased steel drainage discharge pipe through the levee, 7 feet below the crown. Slide gate in a corrugated metal pipe (CMP) riser on the waterside (WS) slope. Pipe open on both ends. Installed by USACE in 1961. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 7.62), 10-inch pipe referenced]. FS Date: 11/6/2013						

LM Start	7.50	Rating **	M	Issue No.	84 (cont)
LM End	7.50	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_SP_2018_25031_45141.jpg



WS view: CMP riser with slide gate. Missing slide gate handwheel.

Photo 2 of 3 : UCIP_SP_2018_25031_45140.jpg



WS view: steel pipe with open-end on waterside slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	03/27/2018 03/27/2018	Richard Willoughby

LM Start	7.50	Rating **	M	Issue No.	84 (cont)	
LM End	7.50	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.404130 °		37.404130 °
				-120.986454 °		-120.986454 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:25031						
DS_ID:22111						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Pump mounted on top of concrete pipe sump not found on the waterside. Concrete standpipe not found on the landward side.Looks abandoned.						
FIELD_STRUCT_DESC: *ABANDONED* 12-inch concrete encased steel drainage discharge pipe through the levee, 7 feet below the crown. Slide gate in a corrugated metal pipe (CMP) riser on the waterside (WS) slope. Pipe open on both ends. Installed by USACE in 1961. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 7.62), 10-inch pipe referenced].						
FS Date: 11/6/2013						

Photo 3 of 3 : UCIP_SP_2018_25031_45139.jpg



LS view: open-ended steel pipe on levee slope (bottom).

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	03/27/2018 03/27/2018	Richard Willoughby

LM Start	8.46	Rating **	M	Issue No.	85
LM End	8.46	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.397883 °	37.397883 °
				-120.972342 °	-120.972342 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:24651
DS_ID:22124
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 10/27/2017 This structure is inspected annually under the Structure and Channel Summer Inspection (part of the Levee Inspection Program) conducted by the DWR Flood Project Integrity and Inspection Branch (FPIIB). (DWR UCIP - O. Magana)
- working during field inspection.- blocked siphon breaker.
FIELD_STRUCT_DESC: 1 of 2: 16-inch steel drainage discharge pipe through the levee, 3.5 feet below the crown. Siphon breaker in a corrugated metal pipe (CMP) riser on the waterside (WS) slope. Flap gate on the WS end. Pump on a timber pile structure on the landside (LS). Timber walkway from levee to pump structure. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 8.60)].
FS Date: 11/6/2013

LM Start	8.46	Rating **	M	Issue No.	85 (cont)
LM End	8.46	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_SP_2018_24651_44005.jpg



WS view: two siphon breakers in CMP risers on levee slope.

Photo 2 of 3 : UCIP_SP_2018_24651_44004.jpg



WS view: two flap gates on outfall pipe ends.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	03/27/2018 03/27/2018	Richard Willoughby

LM Start	8.46	Rating **	M	Issue No.	85 (cont)	
LM End	8.46	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.397883 °	37.397883 °	
				-120.972342 °	-120.972342 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:24651 DS_ID:22124 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/27/2017 This structure is inspected annually under the Structure and Channel Summer Inspection (part of the Levee Inspection Program) conducted by the DWR Flood Project Integrity and Inspection Branch (FPIIB). (DWR UCIP - O. Magana) - working during field inspection.- blocked siphon breaker. FIELD_STRUCT_DESC: 1 of 2: 16-inch steel drainage discharge pipe through the levee, 3.5 feet below the crown. Siphon breaker in a corrugated metal pipe (CMP) riser on the waterside (WS) slope. Flap gate on the WS end. Pump on a timber pile structure on the landside (LS). Timber walkway from levee to pump structure. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 8.60)]. FS Date: 11/6/2013						

Photo 3 of 3 : UCIP_SP_2018_24651_44003.jpg



LS view: pipes under walkway to pump house.

* Location
 LS : Land Side N/A : Not Applicable
 WS : Water Side
 CR : Crown

** Rating
 A : Acceptable N : Not Inspected/Rated
 M : Minimally Acceptable C : Corrected
 U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
 Ma : Maintenance Deficiency
 Ob : Design & System Obsolescence
 En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	03/27/2018 03/27/2018	Richard Willoughby

LM Start	8.46	Rating **	M	Issue No.	86
LM End	8.46	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.397872 °	37.397872 °
				-120.972336 °	-120.972336 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:24652
DS_ID:22112
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 10/27/2017 This structure is inspected annually under the Structure and Channel Summer Inspection (part of the Levee Inspection Program) conducted by the DWR Flood Project Integrity and Inspection Branch (FPIIB). (DWR UCIP - O. Magana)
- working during field inspection.- blocked siphon breaker.
FIELD_STRUCT_DESC: 2 of 2: 16-inch steel drainage discharge pipe through the levee, 3.5 feet below the crown. Siphon breaker in a corrugated metal pipe (CMP) riser on the waterside (WS) slope. Flap gate on the WS end. Pump on a timber pile structure on the landside (LS). Timber walkway from levee to pump structure. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 8.60)].
FS Date: 11/6/2013

LM Start	8.46	Rating **	M	Issue No.	86 (cont)
LM End	8.46	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_SP_2018_24652_44008.jpg



WS view: two siphon breakers in CMP risers on levee slope.

Photo 2 of 3 : UCIP_SP_2018_24652_44007.jpg



WS view: two flap gates on outfall pipe ends.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	03/27/2018 03/27/2018	Richard Willoughby

DWR Start	8.46	Rating **	M	Issue No.	86 (cont)	
LM End	8.46	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.397872 °	37.397872 °	
				-120.972336 °	-120.972336 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:24652 DS_ID:22112 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/27/2017 This structure is inspected annually under the Structure and Channel Summer Inspection (part of the Levee Inspection Program) conducted by the DWR Flood Project Integrity and Inspection Branch (FPIIB). (DWR UCIP - O. Magana) - working during field inspection.- blocked siphon breaker. FIELD_STRUCT_DESC: 2 of 2: 16-inch steel drainage discharge pipe through the levee, 3.5 feet below the crown. Siphon breaker in a corrugated metal pipe (CMP) riser on the waterside (WS) slope. Flap gate on the WS end. Pump on a timber pile structure on the landside (LS). Timber walkway from levee to pump structure. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 8.60)]. FS Date: 11/6/2013						

Photo 3 of 3 : UCIP_SP_2018_24652_44006.jpg



LS view: pipes under walkway to pump house.

* Location
 LS : Land Side N/A : Not Applicable
 WS : Water Side
 CR : Crown

** Rating
 A : Acceptable
 M : Minimally Acceptable
 U : Unacceptable
 N : Not Inspected/Rated
 C : Corrected
 A/W : Acceptable but Monitor & Maintain

+ Issue Type
 Ma : Maintenance Deficiency
 Ob : Design & System Obsolescence
 En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	03/27/2018 03/27/2018	Richard Willoughby

LM Start	8.46	Rating **	A/W	Issue No.	87	
LM End	8.46	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.397865 °	37.397865 °	
				-120.972332 °	-120.972332 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:24650 DS_ID:22113 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 10/27/2017 This structure is inspected annually under the Structure and Channel Summer Inspection (part of the Levee Inspection Program) conducted by the DWR Flood Project Integrity and Inspection Branch (FPIIB). (DWR UCIP - O. Magana) Working during field inspection. FIELD_STRUCT_DESC: [Reclamation District No. 2063 Pumping Plant] 1 of 2: 42-inch corrugated metal gravity drainage pipe through the levee, 18 feet below the crown. Slide gate in a corrugated metal pipe (CMP) riser on the waterside (WS) slope. Flap gate, concrete saddle, and apron on the WS end. Concrete headwall on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 8.60)]. FS Date: 11/6/2013						

LM Start	8.46	Rating **	A/W	Issue No.	87 (cont)
LM End	8.46	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_SP_2018_24650_44002.jpg



WS view: two flap gates on outfall pipe ends.

Photo 2 of 3 : UCIP_SP_2018_24650_44001.jpg



WS view: two slide gates in CMP risers on levee slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	03/27/2018 03/27/2018	Richard Willoughby

LM Start	8.46	Rating **	A/W	Issue No.	87 (cont)	
LM End	8.46	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.397865 °	37.397865 °	
				-120.972332 °	-120.972332 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:24650 DS_ID:22113 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 10/27/2017 This structure is inspected annually under the Structure and Channel Summer Inspection (part of the Levee Inspection Program) conducted by the DWR Flood Project Integrity and Inspection Branch (FPIIB). (DWR UCIP - O. Magana) Working during field inspection. FIELD_STRUCT_DESC: [Reclamation District No. 2063 Pumping Plant] 1 of 2: 42-inch corrugated metal gravity drainage pipe through the levee, 18 feet below the crown. Slide gate in a corrugated metal pipe (CMP) riser on the waterside (WS) slope. Flap gate, concrete saddle, and apron on the WS end. Concrete headwall on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 8.60)]. FS Date: 11/6/2013						

Photo 3 of 3 : UCIP_SP_2018_24650_44000.jpg



LS view: drainage pipes under walkway in drainage ditch.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	03/27/2018 03/27/2018	Richard Willoughby

LM Start	8.46	Rating **	A/W	Issue No.	88 (cont)	
LM End	8.46	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.397850 °	37.397850 °	
				-120.972322 °	-120.972322 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:24636 DS_ID:22125 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 10/27/2017 This structure is inspected annually under the Structure and Channel Summer Inspection (part of the Levee Inspection Program) conducted by the DWR Flood Project Integrity and Inspection Branch (FPIIB). (DWR UCIP - O. Magana) - working during field inspection. FIELD_STRUCT_DESC: [Reclamation District No. 2063 Pumping Plant] 2 of 2: 42-inch corrugated metal gravity drainage pipe through the levee, 18 feet below the crown. Slide gate in a corrugated metal pipe (CMP) riser on the waterside (WS) slope. Flap gate, concrete saddle, and apron on the WS end. Concrete headwall on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 8.60)]. FS Date: 11/6/2013						

Photo 3 of 3 : UCIP_SP_2018_24636_43963.jpg



LS view: drainage pipes under walkway in drainage ditch.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	03/27/2018 03/27/2018	Richard Willoughby

LM Start	9.05	Rating **	A/W	Issue No.	89
LM End	9.05	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.390804 °	37.390804 °
				-120.966394 °	-120.966394 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:24638 DS_ID:22114 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: Flap gate and concrete "U" headwall not visible due to dense vegetation on waterside. FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 12 feet below the crown. Flap gate, concrete U-shaped headwall, and 7-foot-long grouted spillway on the waterside (WS) end. Slide gate and concrete headwall on the landside (LS) end. Installed by USACE in 1961. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 9.21)]. FS Date: 11/6/2013					

LM Start	9.05	Rating **	A/W	Issue No.	89 (cont)
LM End	9.05	Issue Type +	Ma	Location *	

Photo 1 of 2 : UCIP_SP_2018_24638_43967.jpg



WS view: concrete headwall on levee end. Slide gate on pipe end.

Photo 2 of 2 : UCIP_SP_2018_24638_43966.jpg



WS view: close view of slide gate on pipe end.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	03/27/2018 03/27/2018	Richard Willoughby

LM Start	9.50	Rating **	A/W	Issue No.	90
LM End	9.50	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.390682 °	37.390682 °
				-120.958287 °	-120.958287 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:51825					
DS_ID:22115					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments: 04/11/2017 LS inlet has been cleared, as per DWR inspector Richard Willoughby. (K. Fazel - UCIP)11/06/2013 Landside inlet blocked by plywood. (P. Amatya - DWR)					
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 5.6 feet below the crown. Flap gate and concrete U-shaped headwall on the waterside (WS) end. Concrete headwall on the landside (LS) end. Installed by USACE in 1961. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 9.66)].					
FS Date: 4/11/2017					

LM Start	9.50	Rating **	A/W	Issue No.	90 (cont)
LM End	9.50	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_SP_2018_51825_77044.jpg



LS inlet as of 4/11/2017 levee inspection. Photo courtesy of DWR inspector Richard Willoughby.

Photo 2 of 3 : UCIP_SP_2018_51825_43983.jpg



WS view: U type headwall and flap gate visible on the bank of the water channel.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	03/27/2018 03/27/2018	Richard Willoughby

LM Start	9.50	Rating **	A/W	Issue No.	90 (cont)	
LM End	9.50	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.390682 °	37.390682 °	
				-120.958287 °	-120.958287 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:51825						
DS_ID:22115						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments: 04/11/2017 LS inlet has been cleared, as per DWR inspector Richard Willoughby. (K. Fazel - UCIP)11/06/2013 Landside inlet blocked by plywood. (P. Amatya - DWR)						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 5.6 feet below the crown. Flap gate and concrete U-shaped headwall on the waterside (WS) end. Concrete headwall on the landside (LS) end. Installed by USACE in 1961. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 9.66)].						
FS Date: 4/11/2017						

Photo 3 of 3 : UCIP_SP_2018_51825_43982.jpg



LS view: concrete headwall on levee end. Pipe opening blocked by plywood.

LM Start	9.94	Rating **	A/W	Issue No.	91
LM End	9.94	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.390563 °	37.390563 °
				-120.950329 °	-120.950329 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:24644 DS_ID:22116 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: - not very old structure. FIELD_STRUCT_DESC: 48-inch corrugated metal gravity drainage pipe through the levee and across the drainage ditch on the waterside (WS), 6 feet below the crown. Slide gate and concrete box on the WS end. Concrete box on the landside (LS) end. Installed by USACE in 1961. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 10.11)]. FS Date: 11/6/2013					

Photo 1 of 3 : UCIP_SP_2018_24644_43986.jpg



WS view: CM pipe on outlet concrete box.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	03/27/2018 03/27/2018	Richard Willoughby

LM Start	9.94	Rating **	A/W	Issue No.	91 (cont)	
LM End	9.94	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.390563 °		37.390563 °
				-120.950329 °		-120.950329 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:24644 DS_ID:22116 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: - not very old structure. FIELD_STRUCT_DESC: 48-inch corrugated metal gravity drainage pipe through the levee and across the drainage ditch on the waterside (WS), 6 feet below the crown. Slide gate and concrete box on the WS end. Concrete box on the landside (LS) end. Installed by USACE in 1961. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 10.11)]. FS Date: 11/6/2013						

LM Start	9.94	Rating **	A/W	Issue No.	91 (cont)
LM End	9.94	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_SP_2018_24644_43985.jpg



LS view: CM pipe with slide gate on inlet concrete box.

Photo 3 of 3 : UCIP_SP_2018_24644_43984.jpg



LS view: inside view of slide gate in concrete box.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	03/27/2018 03/27/2018	Richard Willoughby

LM Start	9.95	Rating **	M	Issue No.	92
LM End	9.95	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.390572 °	37.390572 °
				-120.950156 °	-120.950156 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:24645 DS_ID:22117 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - waterside not accessible.- partially blocked inlet opening on landside. FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 4.6 feet below the crown. Flap gate and concrete U-shaped headwall on the waterside (WS) end. Concrete headwall on landside (LS) end. Installed by USACE in 1961. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 6, September 1961, (HLM 10.12)]. FS Date: 11/6/2013					

LM Start	9.95	Rating **	M	Issue No.	92 (cont)
LM End	9.95	Issue Type +	Ma	Location *	

Photo 1 of 2 : UCIP_SP_2018_24645_43988.jpg



WS view: concrete U type headwall on channel bank. Not accessible.

Photo 2 of 2 : UCIP_SP_2018_24645_43987.jpg



LS view: concrete headwall and partially blocked inlet opening.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	03/27/2018 03/27/2018	Richard Willoughby

LM Start	10.20	Rating **	U	Issue No.	93	
LM End	10.20	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.390517 °	37.390517 °	
				-120.945659 °	-120.945659 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:52539 DS_ID:22074 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 09/29/2017 Received updated photos from DWR levee inspector, D. Torres, and photos show a metal cover has been added to landside (LS). The waterside (WS) pipe side remains open. This crossing remains urgent due to the WS end of the pipe open. Other issues with this crossing include compliance issues per Title 23. No permit was found authorizing this crossing. (DWR UCIP - O. Magana)08/23/2016 Same as last inspection. Recommend LMA contact owner to bring crossing into compliance per Title 23. (K. Fazel - UCIP)11/06/2013 Pipe opens on both sides of the levee. (P. Amatya - DWR) FIELD_STRUCT_DESC: 16-inch polyvinyl chloride (PVC) gravity drainage pipe through the levee, 3.5 feet below the crown. Pipe open on both ends. This crossing was field discovered. FS Date: 11/29/2017 2:48:05 PM						

Photo 1 of 3 : UCIP_SP_2018_52539_43990.jpg



WS view: PVC pipe with open end on levee slope.

LM Start	10.20	Rating **	U	Issue No.	93 (cont)
LM End	10.20	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2018_52539_43989.jpg



LS view: PVC pipe with open end on levee toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	03/27/2018 03/27/2018	Richard Willoughby

LM Start	10.20	Rating **	U	Issue No.	93 (cont)	
LM End	10.20	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			37.390517 °		37.390517 °
				-120.945659 °		-120.945659 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:52539 DS_ID:22074 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 09/29/2017 Received updated photos from DWR levee inspector, D. Torres, and photos show a metal cover has been added to landside (LS). The waterside (WS) pipe side remains open. This crossing remains urgent due to the WS end of the pipe open. Other issues with this crossing include compliance issues per Title 23. No permit was found authorizing this crossing. (DWR UCIP - O. Magana)08/23/2016 Same as last inspection. Recommend LMA contact owner to bring crossing into compliance per Title 23. (K. Fazel - UCIP)11/06/2013 Pipe opens on both sides of the levee. (P. Amatya - DWR) FIELD_STRUCT_DESC: 16-inch polyvinyl chloride (PVC) gravity drainage pipe through the levee, 3.5 feet below the crown. Pipe open on both ends. This crossing was field discovered. FS Date: 11/29/2017 2:48:05 PM						

Photo 3 of 3 : UCIP_SP_2018_52539_76005.jpg



LS view of crossing

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	03/27/2018 03/27/2018	Richard Willoughby

LM Start	10.20	Rating **	U	Issue No.	94
LM End	10.20	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.390534 °	37.390534 °
				-120.945514 °	-120.945514 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:52540
DS_ID:24731
EP_NO: 11631
Repair Type: Urgent
Crossing Status: Found
UCIP Comments: 09/29/2017 Received updated photos from DWR levee inspector, D. Torres, and photos show erosion behind wing wall on LS and WS pipe end still remains opened. Pipe still needs to conform with Title 23. Crossing has been upgraded from Non-Urgent to Urgent, crossing remains opened on the WS. Unable to find permit authorizing pipe replacement through the levee. (DWR UCIP - O. Magana) 08/23/2016 Same as last inspection. Pipe looks to be relatively newer than 1976. Appears there is no permit for this newer PVC pipe so recommend LMA contact owner to bring crossing into compliance with Title 23. Crossing has been upgraded from No Action Needed to Non-Urgent. (K. Fazel - UCIP)11/05/2013: Pipe not visible on waterside. Dense vegetation on waterside. (P. Amatya - DWR) FIELD_STRUCT_DESC: 8-inch polyvinyl chloride (PVC) gravity drainage pipe through the levee, 4 feet below the crown. Metal slide gate in a concrete U-shaped headwall on the landside (LS). (Plans to install a 10-inch or a 12-inch drainage pipe through the levee and into project ditch on the riverbank authorized under Permit No. 11631, 1976 - A. W. Barcellos).
FS Date: 11/29/2017 2:57:22 PM

LM Start	10.20	Rating **	U	Issue No.	94 (cont)
LM End	10.20	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_SP_2018_52540_43993.jpg



LS view: U type concrete headwall, slide gate, and pipe on levee toe.

Photo 2 of 3 : UCIP_SP_2018_52540_43992.jpg



LS view: closer view of U type concrete headwall, slide gate, and pipe on levee toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain			

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	03/27/2018 03/27/2018	Richard Willoughby

LM Start	10.20	Rating **	U	Issue No.	94 (cont)	
LM End	10.20	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.390534 °	37.390534 °	
				-120.945514 °	-120.945514 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:52540 DS_ID:24731 EP_NO: 11631 Repair Type: Urgent Crossing Status: Found UCIP Comments: 09/29/2017 Received updated photos from DWR levee inspector, D. Torres, and photos show erosion behind wing wall on LS and WS pipe end still remains opened. Pipe still needs to conform with Title 23. Crossing has been upgraded from Non-Urgent to Urgent, crossing remains opened on the WS. Unable to find permit authorizing pipe replacement through the levee. (DWR UCIP - O. Magana) 08/23/2016 Same as last inspection. Pipe looks to be relatively newer than 1976. Appears there is no permit for this newer PVC pipe so recommend LMA contact owner to bring crossing into compliance with Title 23. Crossing has been upgraded from No Action Needed to Non-Urgent. (K. Fazel - UCIP)11/05/2013: Pipe not visible on waterside. Dense vegetation on waterside. (P. Amatya - DWR) FIELD_STRUCT_DESC: 8-inch polyvinyl chloride (PVC) gravity drainage pipe through the levee, 4 feet below the crown. Metal slide gate in a concrete U-shaped headwall on the landside (LS). (Plans to install a 10-inch or a 12-inch drainage pipe through the levee and into project ditch on the riverbank authorized under Permit No. 11631, 1976 - A. W. Barcellos). FS Date: 11/29/2017 2:57:22 PM						

Photo 3 of 3 : UCIP_SP_2018_52540_43991.jpg



WS view: dense vegetation, no pipe visible.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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